EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	75	makino-akitaka.in. takahashi-youji.in. soraoka-minoru.in. kihara-hideki.in.	US-PGPUB; USPAT	OR	ON	2007/04/02 14:35
L2	23	1 and seal$2	US-PGPUB; USPAT	OR	ON	2007/04/02 14:35
L3	5271232	"3"	US-PGPUB; USPAT	OR	ON	2007/04/02 14:35
L4	24	1 and seal$3	US-PGPUB; USPAT	OR	ON	2007/04/02 14:36
L5	103	(liner lining shield$3).clm. and vacuum.clm. and valve.clm. and (substrate wafer workpiece).clm.	US-PGPUB; USPAT	OR	ON	2007/04/02 14:40
L6	96	(liner lining shield$3).clm. and vacuum.clm. and valve.clm. and (substrate wafer workpiece).clm. and (wall sidewall chamber).clm.	US-PGPUB; USPAT	OR	ON	2007/04/02 14:41
L7	147	(liner lining shield$3).clm. and vacuum.clm. and (gate valve slit).clm. and (substrate wafer workpiece).clm. and (wall sidewall chamber).clm.	US-PGPUB; USPAT	OR	ON	2007/04/02 14:41
L8	6	("5641375" | "6165271" | "6192827" | "6221782" | "6408786" | "6647918").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/02 14:42
S113	2125	((118/719) or (414/939) or (156/345.31) or (156/345.32)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/02 14:34
S114	590	S113 and (flow with control$4)	US-PGPUB; USPAT	OR	ON	2004/12/28 18:56
S115	796	cluster and ("mass flow controller")	US-PGPUB; USPAT	OR	ON	2004/12/28 17:16
S116	457	(cluster with (process$3 chamber treat$4)) and ("mass flow controller")	US-PGPUB; USPAT	OR	ON	2004/12/28 17:17
S117	129	(cluster with (process$3 chamber treat$4)) and (("mass flow controller") with (locat$4 position$4 situat$3))	US-PGPUB; USPAT	OR	ON	2004/12/28 17:18
S118	7	(cluster with (process$3 chamber treat$4)) and (("mass flow controller") with (locat$4 position$4 situat$3) with between)	US-PGPUB; USPAT	OR	ON	2004/12/28 17:18
S119	23	("20030160239" | "4828224" | "4889609" | "5186718" | "5286296" | "5609689" | "5611655" | "5651868" | "5784799" | "5785796" | "5810942" | "5820692" | "5913978" | "5934856" | "6042623" | "6048154" | "6106634" | "6224312" | "6224679" | "6286230" | "6312525" | "6488778" | "6536136").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/28 17:23
S120	23	("20030160239" | "4828224" | "4889609" | "5186718" | "5286296" | "5609689" | "5611655" | "5651868" | "5784799" | "5785796" | "5810942" | "5820692" | "5913978" | "5934856" | "6042623" | "6048154" | "6106634" | "6224312" | "6224679" | "6286230" | "6312525" | "6488778" | "6536136").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/28 17:23
S121	23	("20030160239" | "4828224" | "4889609" | "5186718" | "5286296" | "5609689" | "5611655" | "5651868" | "5784799" | "5785796" | "5810942" | "5820692" | "5913978" | "5934856" | "6042623" | "6048154" | "6106634" | "6224312" | "6224679" | "6286230" | "6312525" | "6488778" | "6536136").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/28 17:23
S122	10	("4749440" | "4816638" | "4857142" | "4900395" | "4951601" | "5067218" | "5228206" | "5292393" | "5301701" | "5403434").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/12/28 17:33
S123	6	("5820692").URPN.	USPAT	OR	ON	2004/12/28 17:34

S12 4	3152	c23c016$.ipc. and (flow with control$4)	US-PGPUB; USPAT	OR	ON	2004/12/28 18:56
S12 5	1793	c23c016$.ipc. and (flow with control$4)	EPO; JPO; DERWENT	OR	ON	2004/12/28 18:56
S12 6	1	("6286230").PN.	US-PGPUB; USPAT	OR	OFF	2004/12/29 12:53
S12 7	1	("6312525").PN.	US-PGPUB; USPAT	OR	OFF	2004/12/29 12:55
S12 8	2	"cluster tool" with high with frequency with power with source	US-PGPUB; USPAT	OR	ON	2004/12/29 12:55
S12 9	2	"cluster tool" same (high with frequency with power with source)	US-PGPUB; USPAT	OR	ON	2004/12/29 12:56
S13 0	67	"cluster tool" and (high with frequency with power with source)	US-PGPUB; USPAT	OR	ON	2004/12/29 12:56
S13 1	2	"cluster tool" and (high with frequency with power with source)	EPO; JPO; DERWENT	OR	ON	2004/12/29 12:56
S13 2	20	(US-20040187784-$).did. or (US-4523544-$ or US-4539934-$ or US-4670126-$ or US-4816098-$ or US-4976996-$ or US-5020475-$ or US-5258075-$ or US-5474647-$ or US-5562800-$ or US-5785796-$ or US-5820692-$ or US-5981399-$ or US-6083321-$ or US-6277199-$ or US-6286230-$ or US-6312525-$ or US-6797617-$ or US-6051281-$).did. or (JP-08127861-$).did.	US-PGPUB; USPAT; JPO	OR	ON	2004/12/29 15:00
S13 3	2	S132 and table	US-PGPUB; USPAT	OR	ON	2004/12/29 15:17
S13 4	8	S132 and ((susceptor holder platform table) with (wafer substrate))	US-PGPUB; USPAT	OR	ON	2004/12/29 16:43
S13 5	38	takahashi-youji.in. makino-akitaka.in. soraoka-minoru.in. tauchi-susumu.in.	US-PGPUB; USPAT	OR	ON	2005/03/28 20:18
S13 6	2212	((118/719) or (414/939) or (156/345.31) or (156/345.32)). CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/28 17:27
S13 7	28	S136 and (double with wall)	US-PGPUB; USPAT	OR	ON	2005/03/28 18:09
S13 8	27	S136 and ("cvd" with (typic$4 convention$4 usual$4) with vacuum)	US-PGPUB; USPAT	OR	ON	2005/03/28 17:55
S13 9	566	"cvd" and (double with wall)	US-PGPUB; USPAT	OR	ON	2005/03/28 18:10
S14 0	0	"cvd" and (double with wall) and symetrical$4	US-PGPUB; USPAT	OR	ON	2005/03/28 18:10
S14 1	0	"cvd" and (double with wall$3) and symetrical$4	US-PGPUB; USPAT	OR	ON	2005/03/28 18:10
S14 2	94	"cvd" and (double with wall$3) and symmetrical$4	US-PGPUB; USPAT	OR	ON	2005/03/28 18:11
S14 3	10	"cvd" and (double with wall$3) and (symmetrical$4 with chamber)	US-PGPUB; USPAT	OR	ON	2005/03/28 18:23
S14 4	18	"cvd" and (double with wall$3) and (symmetrical$4 with (flow$3 stream))	US-PGPUB; USPAT	OR	ON	2005/03/28 18:23
S14 5	18	("5592581").URPN.	USPAT	OR	ON	2005/03/28 18:26
S14 6	44	takahashi-youji.in. makino-akitaka.in. soraoka-minoru.in. tauchi-susumu.in.	US-PGPUB; USPAT	OR	ON	2005/03/28 20:18
S14 7	53	takahashi-youji.in. makino-akitaka.in. soraoka-minoru.in. tauchi-susumu.in. kihara-hideki.in.	US-PGPUB; USPAT	OR	ON	2005/03/28 20:19
S14 8	3	S147 and double	US-PGPUB; USPAT	OR	ON	2005/03/28 20:19

S14 9	34	(US-20020197145-$ or US-20040187784-$ or US-20050051091-$ or US-20050051092-$ or US-20050051093-$).did. or (US-4523544-$ or US-4539934-$ or US-4670126-$ or US-4816098-$ or US-4976996-$ or US-5020475-$ or US-5216223-$ or US-5223001-$ or US-5258075-$ or US-5474647-$ or US-5484484-$ or US-5562800-$ or US-5592581-$ or US-5785796-$ or US-5820692-$ or US-5858100-$ or US-5884009-$ or US-5981399-$ or US-6051281-$ or US-6083321-$ or US-6111225-$ or US-6192827-$ or US-6277199-$ or US-6286230-$ or US-6312525-$ or US-6647918-$).did. or (US-6797617-$ or US-6814813-$).did. or (JP-08127861-$).did.	US-PGPUB; USPAT; JPO	OR	ON	2005/04/27 18:59
S15 0	331	(interpos$3 between) with (arrang$3 locat$3 position$3) with ((mass with flow with control) "mfc")	US-PGPUB; USPAT	OR	ON	2005/08/07 20:33
S15 1	62	(interpos$3 between) with (arrang$3 locat$3 position$3) with ((mass with flow with control) "mfc")	EPO; JPO; DERWENT	OR	ON	2005/08/07 20:09
S15 2	0	S151 and ((cluster transfer$4 transport$4 convey$4 mov$4) with (wafer substrate workpiece semiconductor))	EPO; JPO; DERWENT	OR	ON	2005/08/07 20:10
S15 3	0	S151 and ((cluster transfer$4 transport$4 convey$4 mov$4) and (wafer substrate workpiece semiconductor))	EPO; JPO; DERWENT	OR	ON	2005/08/07 20:10
S15 4	76	S150 and ((cluster transfer$4 transport$4 convey$4 mov$4) and (wafer substrate workpiece semiconductor))	US-PGPUB; USPAT	OR	ON	2005/08/07 20:11
S15 5	16	S150 and ((cluster transfer$4 transport$4 convey$4 mov$4) with (wafer substrate workpiece semiconductor))	US-PGPUB; USPAT	OR	ON	2005/08/07 20:26
S15 6	0	(118/719.ccls. 414/939.ccls. 156/345.31.ccls. 156/345.32.ccls.) and ((beside next adjacent) with (arrang$3 locat$3 position$3) with ((mass with flow with control) "mfc"))	US-PGPUB; USPAT	OR	ON	2005/08/07 20:16
S15 7	19	(118/719.ccls. 414/939.ccls. 156/345.31.ccls. 156/345.32.ccls.) and ((arrang$3 locat$3 position$3) with ((mass with flow with control) "mfc"))	US-PGPUB; USPAT	OR	ON	2005/08/07 20:19
S15 8	0	(118/719.ccls. 414/939.ccls. 156/345.31.ccls. 156/345.32.ccls.) and ((shar$3) with ((mass with flow with control) "mfc"))	US-PGPUB; USPAT	OR	ON	2005/08/07 20:19
S15 9	3	((cluster transfer$4 transport$4 convey$4 mov$4) with (wafer substrate workpiece semiconductor)) and ((shar$3) with ((mass with flow with control) "mfc"))	US-PGPUB; USPAT	OR	ON	2005/08/07 20:21
S16 0	0	((cluster transfer$4 transport$4 convey$4 mov$4) with (wafer substrate workpiece semiconductor)) and ((shar$3) with ((mass with flow with control) "mfc"))	EPO; JPO; DERWENT	OR	ON	2005/08/07 20:22
S16 1	1	((cluster transfer$4 transport$4 convey$4 mov$4)) and ((shar$3) with ((mass with flow with control) "mfc"))	EPO; JPO; DERWENT	OR	ON	2005/08/07 20:22
S16 2	3	((cluster transfer$4 transport$4 convey$4 mov$4)) and ((shar$3) with ((mass with flow with control$4) "mfc"))	EPO; JPO; DERWENT	OR	ON	2005/08/07 20:23
S16 3	46	((cluster transfer$4 transport$4 convey$4 mov$4)) and ((shar$3) with ((mass with flow with control$4) "mfc"))	US-PGPUB; USPAT	OR	ON	2005/08/07 20:23
S16 4	541	(interpos$3 between) with (arrang$3 locat$3 position$3) with ((mass with flow with control$4) "mfc")	US-PGPUB; USPAT	OR	ON	2007/04/02 14:39
S16 5	0	S153 and ((cluster transfer$4 transport$4 convey$4 mov$4) with (wafer substrate workpiece semiconductor))	US-PGPUB; USPAT	OR	ON	2005/08/07 20:26
S16 6	53	S164 and ((cluster transfer$4 transport$4 convey$4 mov$4) with (wafer substrate workpiece semiconductor))	US-PGPUB; USPAT	OR	ON	2005/08/07 20:27
S16 7	37	S166 not S155	US-PGPUB; USPAT	OR	ON	2005/08/07 20:27
S16 8	3	(cluster ((transfer$4 transport$4 convey$4) with (wafer substrate semiconductor workpiece))) and (shar$3) with ((mass with flow with control$4) "mfc")	US-PGPUB; USPAT	OR	ON	2005/08/07 20:32
S16 9	249	(414/935-941.ccls. 204/298.23-298.29.ccls. 118/719.ccls. 118/718.ccls. 156/345.31.ccls 156/345.32.ccls.) and ((mass with flow with control$4) "mfc")	US-PGPUB; USPAT	OR	ON	2005/08/08 10:06

S17 0	39	(414/935-941.ccls. 204/298.23-298.29.ccls. 118/719.ccls. 118/718.ccls. 156/345.31.ccls 156/345.32.ccls.) and (shar$3 with (mass with flow with control$4) "mfc")	US-PGPUB; USPAT	OR	ON	2005/08/07 20:42
S17 1	39	(414/935-941.ccls. 204/298.23-298.29.ccls. 118/719.ccls. 118/718.ccls. 156/345.31.ccls 156/345.32.ccls.) and ((share shared sharing) with (mass with flow with control$4) "mfc")	US-PGPUB; USPAT	OR	ON	2005/08/07 20:43
S17 2	0	(414/935-941.ccls. 204/298.23-298.29.ccls. 118/719.ccls. 118/718.ccls. 156/345.31.ccls 156/345.32.ccls.) and ((share shared sharing) with ((mass with flow with control$4) "mfc"))	US-PGPUB; USPAT	OR	ON	2005/08/07 20:43
S17 3	24	("4105916" | "4149923" | "4483651" | "4560417" | "4638176" | "4640224" | "4692343" | "4702205" | "5000682" | "5019233" | "5138973" | "5225771" | "5292393" | "5310410" | "5338423" | "5488967" | "5515986" | "5567268" | "5587182" | "5595482" | "5611861" | "5755888" | "5855681" | "5900105").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/08 09:21
S17 4	1	("6228773").URPN.	USPAT	OR	ON	2005/08/08 09:25
S17 5	10	("20010009138" | "3739747" | "4492181" | "4640221" | "4690097" | "4908243" | "6129108" | "6228773" | "6251192" | "6440504").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/08 09:25
S17 6	1	("5611861").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/08 09:56
S17 7	0	("6558506").URPN.	USPAT	OR	ON	2005/08/08 09:56
S17 8	68	(stack$3) with ((mass with flow with control$4) "mfc")	US-PGPUB; USPAT	OR	ON	2005/08/08 10:14
S17 9	3	(space room) with (stack$3) with ((mass with flow with control$4) "mfc")	US-PGPUB; USPAT	OR	ON	2005/08/08 10:07
S18 0	1	("6286230").PN.	US-PGPUB; USPAT	OR	OFF	2005/08/08 10:50
S18 1	1	("6558506").PN.	US-PGPUB; USPAT	OR	OFF	2005/08/08 10:58
S18 2	1	("6228773").PN.	US-PGPUB; USPAT	OR	OFF	2005/08/08 10:58
S18 3	1	10/812,087	US-PGPUB; USPAT	OR	ON	2005/12/19 13:48
S18 4	13	("3690037" | "3935950" | "4458582" | "4632624" | "5194793" | "5223123" | "5334922" | "5592581" | "5613821" | "5844195" | "5846332" | "6074518" | "6111225").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/19 15:08
S18 5	1	("6814813").URPN.	USPAT	OR	ON	2005/12/19 15:13
S18 6	46	("20020185067" | "20020195201" | "3618919" | "4289061" | "4438724" | "4545136" | "4871417" | "4948979" | "4949669" | "5076205" | "5172849" | "5223113" | "5364219" | "5445491" | "5562800" | "5592581" | "5626936" | "5640751" | "5693288" | "5746434" | "5769952" | "5820641" | "5827370" | "5940684" | "5997588" | "6016611" | "6045620" | "6089543" | "6174366" | "6178660" | "6192827" | "6193802" | "6194628" | "6197119" | "6200415" | "6255222" | "6263829" | "6280584" | "6309161" | "6347918" | "6506254" | "6541353" | "6562141" | "6602346" | "6638672" | "6673196").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/19 15:13
S18 7	71	("4871417").URPN.	USPAT	OR	ON	2005/12/19 15:14
S18 8	10	("3041225" | "3594230" | "3990462" | "4028135" | "4183780" | "4510176" | "4591485" | "4682614").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/19 15:24

S18 9	6	("3690037" | "5223123" | "5592581" | "5613821" | "5844195" | "5846332").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/19 15:33
S19 0	9	("6192827").URPN.	USPAT	OR	ON	2005/12/19 15:34
S19 1	6	("5641375" | "6165271" | "6192827" | "6221782" | "6408786" | "6647918").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/19 15:39
S19 2	0	("6889627").URPN.	USPAT	OR	ON	2005/12/19 16:05
S19 3	6	("5641375" | "6165271" | "6192827" | "6221782" | "6408786" | "6647918").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/19 16:45
S19 4	1	10/189,111	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/19 18:27
S19 5	99	(118/715-733.ccls. 156/345.$.ccls.) and ((liner shield) with (flex$4 compress$4))	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/19 18:28
S19 6	11	(118/715-733.ccls. 156/345.$.ccls.) and ((liner shield) with (flex$4 compress$4) with (remov$4 detach$4 replac$4))	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/19 18:29
S19 7	46	("20020185067" | "20020195201" | "3618919" | "4289061" | "4438724" | "4545136" | "4871417" | "4948979" | "4949669" | "5076205" | "5172849" | "5223113" | "5364219" | "5445491" | "5562800" | "5592581" | "5626936" | "5640751" | "5693288" | "5746434" | "5769952" | "5820641" | "5827370" | "5940684" | "5997588" | "6016611" | "6045620" | "6089543" | "6174366" | "6178660" | "6192827" | "6193802" | "6194628" | "6197119" | "6200415" | "6255222" | "6263829" | "6280584" | "6309161" | "6347918" | "6506254" | "6541353" | "6562141" | "6602346" | "6638672" | "6673196").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 16:31
S19 8	3	118/715-733.ccls. and amano and hinge	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 16:31
S19 9	46	("20020185067" | "20020195201" | "3618919" | "4289061" | "4438724" | "4545136" | "4871417" | "4948979" | "4949669" | "5076205" | "5172849" | "5223113" | "5364219" | "5445491" | "5562800" | "5592581" | "5626936" | "5640751" | "5693288" | "5746434" | "5769952" | "5820641" | "5827370" | "5940684" | "5997588" | "6016611" | "6045620" | "6089543" | "6174366" | "6178660" | "6192827" | "6193802" | "6194628" | "6197119" | "6200415" | "6255222" | "6263829" | "6280584" | "6309161" | "6347918" | "6506254" | "6541353" | "6562141" | "6602346" | "6638672" | "6673196").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 16:40
S20 0	2	("6814813").URPN.	USPAT	OR	ON	2007/03/30 16:40
S20 1	0	(118/715-733.ccls. 156/345.$.ccls.) and ("inner chamber" with (protect$4 prohibit$4)) and valve	US-PGPUB; USPAT	OR	ON	2007/03/30 16:45
S20 2	6	(118/715-733.ccls. 156/345.$.ccls.) and ("inside chamber" with (protect$4 prohibit$4)) and valve	US-PGPUB; USPAT	OR	ON	2007/03/30 16:46
S20 3	6	(118/715-733.ccls. 156/345.$.ccls.) and (((inner inside) adj chamber) with (protect$4 prohibit$4)) and valve	US-PGPUB; USPAT	OR	ON	2007/03/30 16:47
S20 4	38	(((inner inside) adj chamber) with (protect$4 prohibit$4)) and valve	EPO; JPO; DERWENT	OR	ON	2007/03/30 16:49
S20 5	10	(inner adj chamber) and plasma and valve	EPO; JPO; DERWENT	OR	ON	2007/03/30 16:51

S206	260	(shield$3 liner$3) and plasma and (gate slit valve shutter) and (substrate wafer semiconductor)	EPO; JPO; DERWENT	OR	ON	2007/03/30 16:53
S207	61	(shield$3 liner$3) and plasma and (gate slit valve shutter) and (substrate wafer semiconductor) and (wall sidewall)	EPO; JPO; DERWENT	OR	ON	2007/03/30 16:53
S208	61	(shield$3 liner$3) and plasma and (gate slit valve shutter) and (substrate wafer semiconductor) and (wall sidewall outer$1wall outside$1wall)	EPO; JPO; DERWENT	OR	ON	2007/03/30 16:59
S209	86	kang.in. and plasma and liner	US-PGPUB; USPAT	OR	ON	2007/03/30 16:59
S210	22	kang.in. and plasma and liner and port	US-PGPUB; USPAT	OR	ON	2007/03/30 16:59
S211	457	156/96	US-PGPUB; USPAT	OR	ON	2007/03/30 17:01
S212	25	156/916	US-PGPUB; USPAT	OR	ON	2007/03/30 17:01
S213	13	("3690037" | "3935950" | "4458582" | "4632624" | "5194793" | "5223123" | "5334922" | "5592581" | "5613821" | "5844195" | "5846332" | "6074518" | "6111225").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 17:02
S214	14	("4441407" | "5186718" | "5516367" | "5730801" | "5788799" | "5820723" | "5885356" | "5891350" | "5952060" | "6063233" | "6245190" | "6251216" | "6264788" | "6277237").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 17:06
S215	13	("6264788").URPN.	USPAT	OR	ON	2007/03/30 18:35
S216	4	("20030200926"|"20040060516"|"5044311"|"5641375"|"5891350"|"6821378").PN.	USPAT	OR	ON	2007/03/30 18:39
S217	11	("4217856" | "5165548" | "5935336" | "6022461" | "6156151" | "6264788" | "6394026" | "6407367" | "6475286" | "6513452" | "6579372").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 18:40
S218	0	("6821378").URPN.	USPAT	OR	ON	2007/03/30 18:42
S219	11	("4217856" | "5165548" | "5935336" | "6022461" | "6156151" | "6264788" | "6394026" | "6407367" | "6475286" | "6513452" | "6579372").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 18:42